

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference CL/V -33230A/CVA	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/006492	International filing date (day/month/year) 16/06/2004	(Earliest) Priority Date (day/month/year) 30/07/2003
Applicant NOVARTIS AG		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box II).

3. Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/006492

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G01N21/77 G03H1/02 A61B5/00 B29C35/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N G03H A61B B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/027240 A1 (LEDNEV IGOR K ET AL) 6 February 2003 (2003-02-06) paragraphs '0004!, '0018! - '0021!, '0024! examples 1-4	1-5, 8, 23, 27, 28, 30, 31, 45, 48, 49, 61-63, 65, 66
A		9-11, 24-26, 32, 35, 38, 46, 47, 52-54 50-60
X	----- -/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

11 October 2004

26/10/2004

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/006492

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99/33642 A (NOVARTIS ERFIND VERWALT GMBH ; NOVARTIS AG (CH); ZHANG XIAOXIAO (US);) 8 July 1999 (1999-07-08) page 2, paragraph 5 – page 3, paragraph 2 page 4, paragraph 1 – page 5, paragraph 1 page 12, paragraph 4 – page 13, paragraph 2 claims 7,8	1-5, 8, 23, 27, 28, 30, 31, 45, 48, 49, 61-63, 65, 66
X		11-22, 24-26, 29, 32-44, 46, 47
A	US 6 303 687 B1 (MUELLER BEAT) 16 October 2001 (2001-10-16) cited in the application column 1, line 7 – line 13 column 2, line 31 – line 67 column 4, line 50 – column 5, line 3 column 5, line 30 – line 45 column 5, line 56 – column 6, line 21 column 11, line 1 – line 8 column 13, line 17 – line 19	6, 7, 16-19, 22, 34, 39-41, 44, 51, 55-57, 60
A	US 3 993 485 A (TOMLINSON III WALTER JOHN ET AL) 23 November 1976 (1976-11-23) column 13, line 14 – line 31	13-15, 33
A	US 2003/107786 A1 (BABLUMYAN ARKADY) 12 June 2003 (2003-06-12) claim 7	32
A	US 5 835 245 A (CHESAK ERIC ET AL) 10 November 1998 (1998-11-10) column 5, line 61 – line 63	10, 26, 38, 54

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/006492

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2003027240	A1 06-02-2003	US 2001026946 A1		04-10-2001
		US 6187599 B1		13-02-2001
		US 5854078 A		29-12-1998
		US 5898004 A		27-04-1999
		US 2002031841 A1		14-03-2002
		US 2002164823 A1		07-11-2002
		AU 6693598 A		12-10-1998
		CA 2283565 A1		24-09-1998
		EP 0986750 A1		22-03-2000
		JP 3342498 B2		11-11-2002
		JP 2001517307 T		02-10-2001
		WO 9841859 A1		24-09-1998
		AU 717930 B2		06-04-2000
		AU 5093698 A		29-05-1998
		CA 2270346 A1		14-05-1998
		EP 0951348 A1		27-10-1999
		JP 2001505236 T		17-04-2001
		WO 9819787 A1		14-05-1998
WO 9933642	A 08-07-1999	AU 746266 B2		18-04-2002
		AU 2417299 A		19-07-1999
		BR 9814518 A		17-10-2000
		CA 2313189 A1		08-07-1999
		CN 1285778 T		28-02-2001
		WO 9933642 A1		08-07-1999
		EP 1044097 A1		18-10-2000
		HU 0100523 A2		28-05-2001
		ID 25903 A		09-11-2000
		JP 2001526980 T		25-12-2001
		NO 20003380 A		28-06-2000
		PL 341097 A1		26-03-2001
		TW 428110 B		01-04-2001
		ZA 9811872 A		06-07-1999
US 6303687	B1 16-10-2001	AT 191797 T		15-04-2000
		AU 698876 B2		12-11-1998
		AU 4438796 A		21-08-1996
		BR 9606944 A		23-12-1997
		CA 2211345 A1		08-08-1996
		CN 1172533 A		04-02-1998
		DE 69607747 D1		18-05-2000
		DE 69607747 T2		31-08-2000
		DK 807266 T3		04-09-2000
		WO 9624078 A1		08-08-1996
		EP 0807266 A1		19-11-1997
		ES 2145424 T3		01-07-2000
		FI 973156 A		22-09-1997
		GR 3033240 T3		29-09-2000
		IL 116902 A		28-10-1999
		JP 10513410 T		22-12-1998
		NO 973513 A		16-09-1997
		NZ 298810 A		25-11-1998
		PT 807266 T		29-09-2000
		US 5939489 A		17-08-1999
		ZA 9600827 A		05-08-1996
US 3993485	A 23-11-1976	NONE		

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Information on patent family members

International Application No

PCT/EP2004/006492

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2003107786	A1 12-06-2003	US 2003108802	A1 12-06-2003	US 2003107787 A1 12-06-2003
US 5835245	A 10-11-1998	NONE		